

Specifications

Technical

Product type	CCD (charge coupled device) still frame camera
Image size	640 x 480 pixels (high resolution) 320 x 240 pixels (standard resolution)
Bit depth	16 million colors, 24-bit
Serial interface	8-pin DIN (camera); RS-232C (Windows); 8-pin DIN (Macintosh) with cable adapter for RS-232C interface
Internal memory	2MB flash memory (0.3MB used for program memory)
optional expansion memory	2MB (0.5MB flash memory x 4 chips) 4MB (0.5MB flash memory x 8 chips)

Photographic

Lens	Focus distance = 6 mm (equivalent to a 43 mm lens on a 35 mm film camera)
Range	2 ft (60 cm) to infinity 8 in. (20 cm) to infinity (Macro mode with optional EPSON PhotoPix™ LCD Monitor)
Exposure	Equivalent to ISO 130
Shutter	Automatic electronic shutter, 1/30 to 1/10,000 second
Viewfinder	Optical
Aperture	F2.8/8 automatic change
Flash modes	Automatic, red-eye reduction, flash off, forced flash
Flash range	1.5 ft to 10 ft (0.45 m to 3 m)

Physical Dimensions

Width	5.59 in. (142 mm)
Height	3.19 in. (81 mm)
Depth	2.09 in. (53 mm)
Weight	0.66 lb. (300 g) without batteries

Power

Sources	4 AA batteries (single-use alkaline, single-use lithium, rechargeable NiCad, or rechargeable Ni-MH) Optional AC adapter 03867027
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Consumption	Approximately 100 milliwatt at power-on
	Approximately 4 W during image processing
	Maximum 12 W during flash discharge
Battery life	Approximately 300 pictures (high resolution) can be taken before the batteries run out. (Using new alkaline batteries, 150 flashed and 150 non-flashed pictures, without the EPSON PhotoPix LCD monitor attached).

Batteries

Replace all four PhotoPC™ 500 batteries with any of the following:

- Single-use AA alkaline batteries*
- Single-use AA lithium batteries (longest battery life)
- Rechargeable AA Ni-Cad batteries
- Rechargeable AA Ni-MI-I batteries

* If you have the PhotoPix LCD monitor, rechargeable or lithium batteries are recommended.

Caution

To avoid the **danger of fire or explosion**, do not mix different types of batteries. Do not allow the battery contacts to touch metal objects such as coins or keys, which could short out the battery's circuits.

Note the following when handling batteries:

- Do not use manganese batteries.
- Replace all four batteries at the same time.
- Do not drop, puncture, disassemble, or mutilate batteries.
Do not get them wet or expose them to fire.
- When the camera is not used for long periods of time, remove the batteries and store them at a low temperature in a dry location.
- Dispose of used batteries according to the battery manufacturer's instructions and in compliance with all applicable laws. Contact your local government agency for information about battery recycling and disposal.
- If you use rechargeable Ni-Cad batteries, replace them with four fully-charged batteries. If your batteries run out faster after you recharge them a number of times, make sure you discharge them completely before recharging.

Checking the Battery Icon

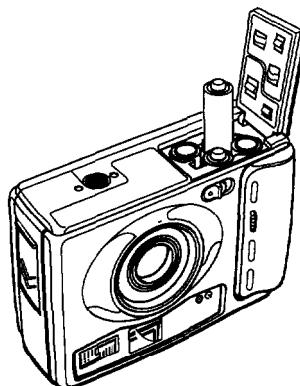
Before you take pictures, check the battery icon on the control panel. The icon shows how much battery power you have left, in the following stages:

-  Full battery power (or AC adapter in use)
-  Battery power is decreasing
to
-  Battery power is low
-  Battery power is almost out
-  Change batteries

Installing Batteries

Follow these steps to install batteries:

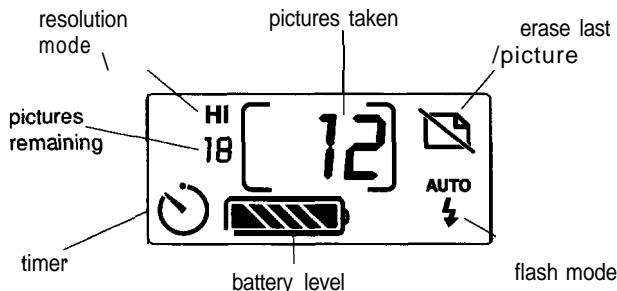
1. Make sure the camera is off, then locate the battery cover on the bottom of the camera.
2. Using your fingernail or a small screwdriver, slide the battery cover lock down in the **direction** of the arrow and hold it in that position while pulling the battery cover door open.
3. Insert all four batteries into the compartment, positioning them as shown.



4. Close the battery cover, making sure that it snaps in place.

The Control Panel

The control panel keeps track of how many pictures have been taken. It also gives important information about the status of the battery and various settings.



The Control Buttons

You can adjust the following settings using the control buttons on the top of the camera:

- Flash
- Resolution
- Timer.

You can also erase the last picture from the camera's memory. Flash and resolution settings remain in effect even after you turn off the camera. However, they return to their factory settings when you remove or change the batteries.

Flash

The built-in flash has these four settings, which are effective within a range of 3 to 10 feet:

- | | |
|-------------|---|
| AUTO | Auto sets the flash to go off automatically whenever it's needed (factory setting). |
| 4 | |
| | Red-eye reduction sets the flash to blink rapidly while the picture is being taken. This prevents the subject's eyes from appearing red. |
| | Flash off disables the flash even in inadequate lighting. |
| | Forced flash sets the flash to go off for every picture. |

Resolution

The PhotoPC 500 has the following two resolution settings:

- | | |
|-----------|---|
| Hi | High resolution images are captured at 640 x 480; the camera can hold up to 30 pictures at high resolution. This is the factory setting. |
| S | Standard resolution images are captured at 320 x 240; the camera can hold up to 60 pictures at this resolution. |

Timer

The timer sets a lo-second delay between the time the shutter button is pressed and the image is captured.

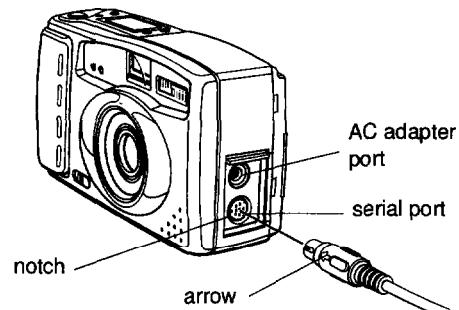
Erase

Press the erase button with a small pointed object to erase the last picture from the camera's memory.

Connecting the Camera to a PC

Follow these steps to connect the camera to a PC to transfer pictures:

1. Press on the arrows on the camera's port cover and slide up the cover. (If you have an EPSON PhotoPix LCD monitor attached to the camera, tilt it up to expose the port cover.)
2. Line up the arrow on the cable connector with the notch on the camera's serial port, as shown. Insert the connector.



3. Connect the other end of the cable to one of the computer's serial ports and tighten the retaining screws.
4. Turn on the camera and the computer system. A line appears at the bottom of the picture counter on the camera's control panel.

Note:

When the camera is connected to the PC, you cannot use the shutter button or any of the control buttons.

EPSON PhotoPC 500

Use the EPSON PhotoPC 500 imaging software and the EPSON Photo! TWAIN and Utility Driver to transfer pictures to the PC; see the *EPSON PhotoPC 500 User's Guide for Windows* for instructions.

Note:

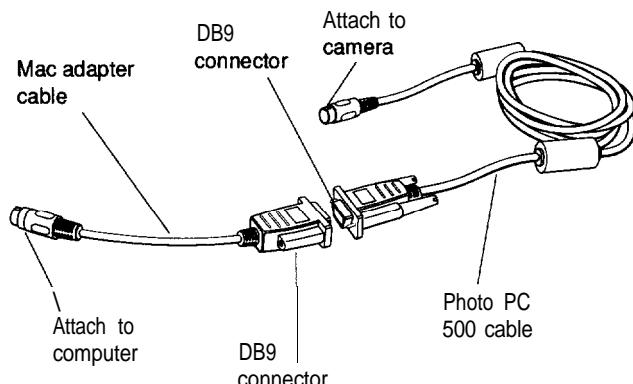
EPSON Photo! Twain and Utility Driver automatically chooses the fastest speed that works with your operating system. If you get an error message when you try to download photos to the PC, the camera's port speed may be faster than the port speed configured for your PC. You can configure the camera for any of the following port speeds:

115,200 (Windows 95 and NT)

57,600

38,400

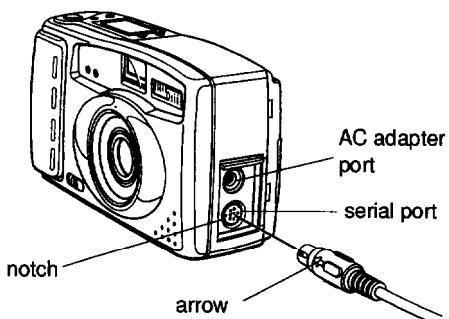
19,200



Connecting the Camera to a Macintosh

Follow these steps to connect the camera to a Macintosh to transfer pictures:

1. Press on the arrows on the camera's port cover and slide up the cover. (If you have an EPSON PhotoPix LCD monitor attached to the camera, tilt it up to expose the port cover.)
2. Locate the Photo PC 500 cable. Line up the arrow on the cable connector with the notch on the camera's serial port, as shown. Insert the connector.



3. Attach the DB9 connector on the Photo PC 500 cable to the DB9 connector on the Mac adapter cable; tighten the screws.

4. Connect the other end of the Mac adapter cable to either the printer port or the modem port on your Macintosh.
5. Turn on the camera and the Macintosh system. A line appears at the bottom of the picture counter on the camera's control panel.

Note:

When the camera is connected to the Macintosh, you cannot use the shutter button or any of the control buttons.

Use EPSON PhotoPC 500 imaging software and the EPSON Photo! TWAIN and Utility Driver to transfer pictures to the Macintosh; see the *EPSON PhotoPC 500 User's Guide for Macintosh* for instructions.

Note:

EPSON Photo! Twain and Utility Driver automatically chooses the fastest speed that works with your operating system. If you get an error message when you try to download photos to the Macintosh, the camera's port speed may be faster than the port speed configured for your Macintosh. You can configure the camera for any of the following port speeds:

57,600

38,400

19,200

Maintenance

Care for the EPSON PhotoPC 500 and PhotoFix LCD monitor as follows:

- ❑ Use a clean, dry cloth to keep the camera and PhotoFix LCD monitor free of dust. If you are cleaning the camera lens, blow off any loose dust, then breathe on the lens and wipe off the moisture with a soft, lint-free cloth or lens cleaning tissue.
- ❑ Avoid pressing too hard on either the lens or the LCD display.
- ❑ If necessary, clean the camera's battery contacts with a dry cloth.
- ❑ Do not use harsh abrasive cleaners.
- ❑ Cover the lens (power switched off) when you are not using the camera.
- ❑ Remove the LCD monitor from the camera when you are traveling with it, or when you are not using it for long periods.
- ❑ When the LCD monitor is not attached to the camera, make sure that it is switched off and that the LCD inlet cover is attached.

In storage, do not expose the PhotoPC 500 or the PhotoPix LCD monitor to the following:

- ❑ Direct sunlight, bright light sources, or heat sources (such as a closed car)
- ❑ Excessive dust, dirt, humidity, strong vibrations, or magnetic fields.

Optional PhotoPix LCD Monitor

Physical Dimensions

Width	5.08 in (129 mm)
Height	2.72 in (69 mm)
Depth	1.97 in (50 mm)
Weight	0.31 lb (141 g)

Technical

LCD Panel 1.8 in, TFT color LCD

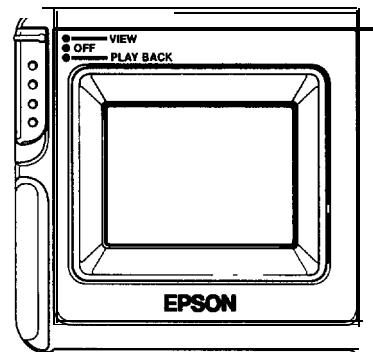
Display resolution 279 x 220 pixels

Power for the PhotoPix LCD monitor is supplied by the camera.

The EPSON PhotoPix LCD monitor allows you to view images in two modes:

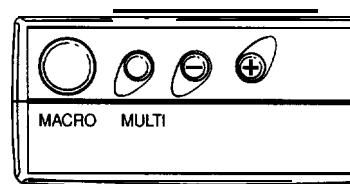
- | | |
|---------------|--|
| Playback Mode | Lets you view images that you have already captured. Use to locate images, select and erase images, etc. |
| View Mode | Lets you preview in real time what the camera's viewfinder sees at any moment. Use to fine-tune pictures (for example, adjust the position of the camera). |

Set Playback Mode or View Mode from controls on the front of the monitor.



The following controls are on top of the PhotoPix LCD monitor:

- | | |
|------------|--|
| Macro | Use to take close-up pictures. You can capture an image as close as 8 inches from the subject. You must set the monitor to View mode before selecting Macro. |
| Multi | Use to view thumbnail versions of multiple images at the same time. Multi mode is available when the monitor is in Playback mode. |
| Plus/Minus | Use to adjust the LCD's brightness when the monitor is in View mode, or to flip through the images in memory when the monitor is in Playback mode. |

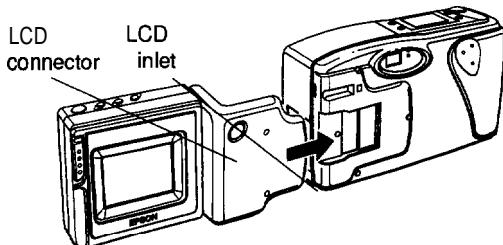


For a detailed explanation of how to use these features, see the EPSON PhotoPC 500 User's Guide.

Attaching the Optional PhotoPix LCD

Follow these steps to attach the optional EPSON PhotoPix LCD monitor to the camera:

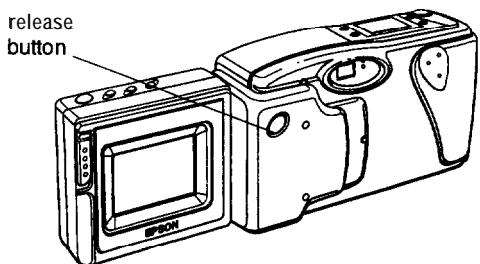
1. Make sure your camera is turned off. Set the PhotoPix LCD monitor's mode switch to the OFF position.
2. Pressing on the arrow on the LCD inlet cover with your thumb, slide the cover away from the camera. (Put the cover in a safe place.)
3. Position the PhotoPix LCD monitor beside the camera. The display should be facing you.
4. While holding the camera with one hand, carefully slide the LCD connector into the LCD inlet. Make sure it is firmly in place.



Detaching the Optional PhotoPix LCD

Follow these steps to detach the PhotoPix LCD monitor from the camera:

1. Turn the camera off, and set the PhotoPix LCD monitor's mode switch to OFF.
2. Place the camera on a flat surface with the back facing you.
3. Holding the camera with your right hand, use your left thumb to press the release button on the LCD connector.



4. While holding down the button, carefully push the PhotoPix LCD monitor away from the camera; do not pull the monitor.
5. Replace the LCD inlet cover on the back of the camera.

Other Optional Accessories

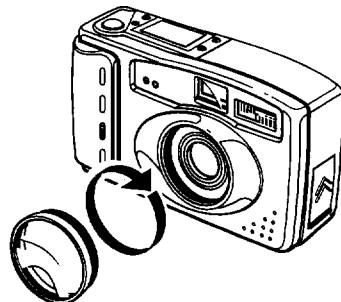
You can increase the camera's storage capacity by installing a 2MB or 4MB **PhotoSpan™** memory module, as described in this table:

Number of photos	2MB internal memory	With 2MB PhotoSpan A882401	With 4MB PhotoSpan A882411
At high resolution	30	65	100
At standard resolution	60	130	200

See the *EPSON PhotoPC 500 User's Guide* for instructions on installing a PhotoSpan module.

You can connect the PhotoPC 500 to a standard electrical outlet using the AC adapter (B867027) to save power when transferring pictures to the Macintosh or PC, or operating the camera from either system. The adapter does not charge the camera's batteries.

Optional 37mm video camcorder lenses or filters may also be used for taking close-up, wide-angle and special effects pictures. To attach a lens, screw it on the camera as shown:



Installing a PhotoSpan™ Memory Module

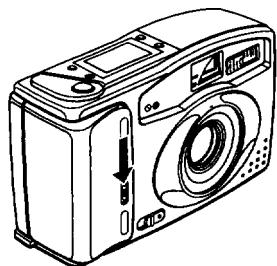
Before you install a PhotoSpan memory module, make sure you download all the pictures in the camera to the computer, then erase them from the camera and turn the camera off.

CAUTION:

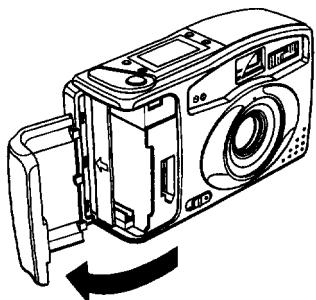
PhotoSpan modules are sensitive to static electricity and easily damaged. Ground yourself by touching a metal object before you handle the module, and never touch the module's metallic area.

Follow these steps to install a PhotoSpan module:

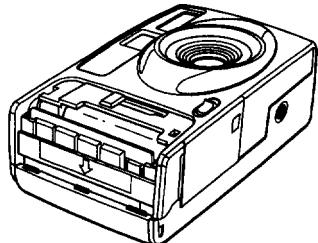
1. Slide the memory module cover lock down to release the cover.



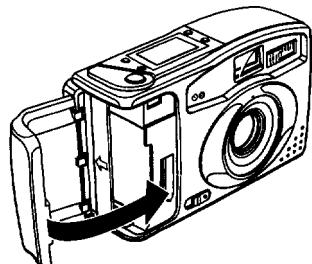
2. Grasp the cover and pull away.



3. Place the module into the socket, as shown below. Align the side of the module that has two notches with the socket end nearest the small black lever. (See the illustration under "Removing a PhotoSpan Memory Module" for the location of the lever.)



4. Press down on the module until it snaps into the retaining clips at the side of the socket. Do not force the module. If it does not seem to fit, make sure that you have inserted it correctly.
5. Replace the cover on the camera body. It should snap into place.



The number on the control panel indicating pictures remaining increases to show your camera's expanded capacity.

With the expanded memory, you may notice a delay between the time you press the shutter button and when the camera beeps. To reduce this delay, press the button down halfway until you are ready to take the picture, then press it down the rest of the way.

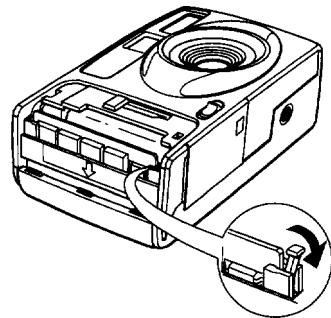
Removing a PhotoSpan Memory Module

Follow these steps to remove the memory module:

CAUTION

Do not remove and install the module repeatedly. Doing so may cause a bad connection or may damage the memory module.

1. Turn the camera off and remove the memory module cover.
2. Press the lever on the side of the memory module socket to raise the module slightly out of the socket.



3. Grasp the edges of the memory module and work it up and out of the socket. Be careful not to touch the metal parts of the module.
4. Replace the memory module cover.

Information Reference List

Engineering Change Notices

None.

Product Support Bulletins

None.

Technical Support Bulletins

None.

Related Documentation

CPD4185 PhotoPC 500 User's Guide for Windows

CPD4186 PhotoPC 500 User's Guide for Macintosh